

## Howell, Beth (MRC)

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**From:** Giordano, Juliette (MRC)  
**Sent:** Wednesday, July 16, 2014 3:12 PM  
**To:** Howell, Beth (MRC)  
**Subject:** FW: DEQ Add info request - James River Water Supply Project (JPA No. 14-0343)  
**Attachments:** 14-0343\_cor\_JRWA Add Info\_2014-07-08.pdf

DEQ correspondence for 14-0343. Thank you!

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**From:** Marsala, Sarah (DEQ)  
**Sent:** Tuesday, July 08, 2014 2:48 PM  
**To:** Giordano, Juliette (MRC); [Steven.A.Vanderploeg@usace.army.mil](mailto:Steven.A.Vanderploeg@usace.army.mil)  
**Subject:** DEQ Add info request - James River Water Supply Project (JPA No. 14-0343)

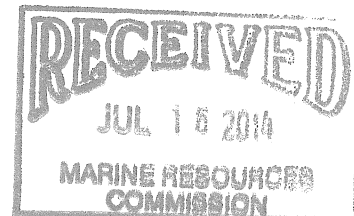
Hi,

DEQ met with the applicant and their consultant for the James River Water Supply project (JPA No. 14-0343) today to discuss our questions on their application and additional information submittal dated June 11, 2014. The additional information we requested is summarized in the attached document. We requested they provide a response by Aug. 15<sup>th</sup>.

Respectfully,

Sarah K. Marsala

Surface Water Withdrawal Project Manager  
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James River Water Authority - James River Water Supply Project  
Joint Permit Application No. 14-0343  
Second Additional Information Request  
July 8, 2014

1. The purpose and need identified in the water supply plans for Fluvanna and Louisa Counties encompasses larger project than that of the project proposed under Joint Permit Application (JPA) No. 14-0343. Please narrow the scope of the project's purpose and need to that associated with this application.
2. Based upon our understanding of the information provided to date, the proposed intake will service some, but not all, service areas identified in the water supply plans for each County. Please identify which service areas are proposed to be serviced by the proposed James River water intake. If there is a proposed phasing schedule to provide water to the service areas or if a service area is operated by another entity, please provide that information as well, including any formal agreements between James River Water Authority and entities to which water will be provided.
3. Discuss any discrepancies or updates with the water supply plans for both Counties with that of the proposed project.
4. Justify the proposed peak factor of 1.85 for used for both the maximum day and monthly volumes. The standard used by DEQ is a peak day factor of 1.6 and a peak month factor of 1.25.
5. The requested average day volume is inconsistent in the JPA. The table under Section 27 requests 3.06 million gallons per day (mgd) while the table entitled "Summary of County Approved Water Supply Plans with Projected Demands" requests 3.30 mgd. DEQ will review the proposed water demands for the project and withdrawal limits will be developed based those demands that are justified for the scope of the 15-year permit term.
6. In the JPA, it says that new infrastructure associated with the project includes an intake structure, pump station, raw water transmission piping and electrical/control building. Section 9 of the JPA appears to indicate that only surface water impacts associated with the intake structure is proposed in this application. However, based upon the site plan provided in the JPA entitled "Sheet No. EX-3, Raw Water Intake and Pump Station" and the study limits of the wetland delineation, additional activities may be proposed as part of this application, such as construction of the pump station. Please clearly state which activities are proposed to be reviewed and authorized under this JPA No. 14-0343 and provide plan views (and cross-sectional drawing s, if applicable) depicting those activities and any proposed surface water impacts. For activities that are proposed to be permitted separately, provide a brief justification.
7. Provide a map that clearly identifies the boundaries of the project site. This boundary should include all proposed activities that are requested to be authorized under this application.
8. Provide the linear feet of the James River that is proposed to be impacted by the cofferdam and the intake structure.
9. The proposed intake velocity is proposed to be less than 0.5 feet per second (fps). DEQ has coordinated with the Virginia Department of Game and Inland Fisheries (DGIF), which has recommended an intake

velocity of no more than 0.25 fps. DEQ anticipates including a condition in any draft permit requiring that the intake comply with an intake velocity of 0.25 fps.

10. DGIF has recommended a mussel survey and relocation be performed 100 meters upstream through 400 meters downstream of impact areas in the James River six months prior to construction. DGIF also recommended a time of year restriction from March 15 through June 30 of any year on all instream work. DEQ anticipates including those recommendations in any draft permit.